

**PATENT****INSTITUT FRANÇAIS DU PÉTROLE****ENI S.p.A.****AGIP PETROLI S.p.A.****PROCESS FOR SYNTHESISING HYDROCARBONS IN THE PRESENCE OF  
A CATALYST COMPRISING A GROUP VIII METAL SUPPORTED ON  
SILICA-ALUMINA****Magalie ROY-AUBERGER, Philippe COURTY, Renaud REVEL, Roberto  
ZENNARO****ABSTRACT**

A process is described for synthesising hydrocarbons from a mixture comprising carbon monoxide and hydrogen in the presence of a catalyst comprising at least one group VIII metal supported on a silica-alumina prepared by co-precipitating and calcining at a temperature in the range from about 500°C to about 1200°C for at least 6 hours so that said silica-alumina has a specific surface area of less than 260 m<sup>2</sup>/g. Said catalyst is used in a fixed bed or in suspension in a liquid phase of a three-phase reactor.